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C13 22. (Amended) The method of claim 18, wherein the mammal is immunized with [an] TECH CENTER 1600/2900  
the antigen.

C14 23. The method of claim 22, wherein the antigen is poorly antigenic in wild type animals.

C14 24. (Amended) The method of claim 22, wherein the antigen has at least 90% homology between the first and second species as determined using the ALIGN program with a PAM120 weight residue table, a gap length penalty of 12, and a gap penalty of 4 or using XBLAST with default parameters, wherein the first species is the animal which provides the antibody and the second species is the species which provides the antigen.

C15 25. The method of claim 18, wherein the antibody is an IgG antibody.

C15 26. The method of claim 18, the mammal carries homozygous null mutations at the Aiolos gene.

C15 27. (Amended) The method of claim 18, the method further comprises isolating one or more hematopoietic cells from the mammal and isolating the antibody therefrom.

C15 28. (Amended) The method of claim 18, [a] the hematopoietic cell from the animal is fused with a second cell to provide a hybridoma and the antibody is isolated from the hybridoma.

C15 29. (Amended) A method of obtaining an antibody comprising:  
providing a mouse having a cell which is homozygous for null or underexpressing mutations at the Aiolos locus and having an antigen; and  
isolating an antibody against the antigen from the animal, to thereby obtain an antibody.

C16 30. The method of claim 29, wherein the mouse is an Aiolos transgenic mouse.

C16 31. (Amended) The method of claim 29, wherein the antigen [antibody] is [directed to] an autoantigen.



C 6  
32. (Amended) The method of claim 29, wherein the mammal is immunized with [an] the antigen.

33. The method of claim 32, wherein the antigen is poorly antigenic in wild type animals.

34. (Amended) The method of claim 32, wherein the antigen has at least 90% homology between the first and second species as determined using the ALIGN program with a PAM120 weight residue table, a gap length penalty of 12, and a gap penalty of 4 or using XBLAST with default parameters, wherein the first species is the animal which provides the antibody and the second species is the species which provides the antigen.

C 7  
35. (Amended) A method of obtaining a monoclonal antibody, comprising:  
providing a mouse having a cell which is homozygous for null or underexpressing mutations at the Aiolos locus and having an antigen;  
isolating a hematopoietic cell from the animal; and  
isolating an antibody against the antigen from the hematopoietic cell or a derivative of the cell, to thereby obtain an antibody.

36. The method of claim 35, wherein the derivative is a hybridoma.

37. The method of claim 35, wherein the cell is a lymphocyte.

38. The method of claim 35, wherein the mouse is an Aiolos transgenic mouse.

C 8  
39. (Amended) The method of claim 35, wherein the antigen [antibody] is [directed to] an autoantigen.

40. (Amended) The method of claim 35, wherein the mammal is immunized with [an] the antigen.

41. The method of claim 35, wherein the antigen is poorly antigenic in wild type animals.

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